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## ABSTRACT

### [Abstract of the Disclosure]

5       Sockets that occupy a small area and easily extend a plurality of  
memory modules and a memory system using the sockets are provided. The  
memory system includes the sockets for extending the memory modules, that is,  
a through socket and a turn around socket. The through socket includes a  
socket pin fixing apparatus, which is the body of a socket and can load the  
10       plurality of memory modules, and a plurality of socket pins internally connected  
to each other by passing through the socket pin fixing apparatus and electrically  
connects the loaded memory modules to each other. The turn around socket  
includes a socket pin fixing apparatus for loading at least one memory module  
and connects a tab of one surface of the loaded memory module to a tab of the  
15       other surface by passing through the socket pin fixing apparatus. The memory  
system using the through sockets and the turn around socket can easily extend  
a plurality of memory modules by combining the plurality of through sockets with  
the plurality of turn around sockets or repeatedly using the combined through  
sockets and turn around sockets in a printed circuit board (PCB).

### 20       [Representative Drawing]

#### FIG. 4

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